

Evergrip 990 Strips - Product Data Sheet



Description

Evergrip 990 is a concrete joint sealant made with a unique blend of asphalts enriched with high grade polymer. Available in convenient strips, Evergrip 990 is a preformed, ready-to-use, flexible gasket that provides an excellent seal for concrete pipes, culverts, manholes and other precast concrete joints.

Typical Physical Properties

Property	Min	Max
Bitumen, % by wt	50	70
Inert filler content, % by wt.	30	50
Volatile matter, % by wt.		2.0
Specific gravity @ 77F/25C, (g/ml) 1.2-1.35	1.2	1.35
Ductility @ 77F/25C, (cm)	5.0	
Softening Point	320F/160C	
flash point, C.O.C.	600F/315C	
Penetration @ 77F/25C, 150 gms, 5 sec. (dmm)	50	120
Adhesion and hydrostatic pressure	No leaks (24 hrs.)	
Sag or flow resistance	No sagging	
Chemical resistance	No visible deterioration	

Packaging

English Units

Sealant Size	Pieces/ Carton	Ft/ Carton
3/4" x 2'6"	50	125 ft
1" x 2'6"	35	87.5 ft
1" x 3'6"	35	122.5 ft
1 1/4" x 3'6"	28	98 ft
1 1/2" x 3'6"	20	70 ft
1 3/4" x 3'6"	13	45.5 ft
2" x 3'6"	10	35 ft

Metric Units

Sealant Size		M/Cartron
19mm x 762mm	50	38.1 m
25.4mm x 762mm	35	26.7m
25.4mm x 1067mm	35	37.3m
31.75mm x 1067mm	28	29.9m
38.1mm x 1067mm	20	21.3m
44.45mm x 1067mm	13	13.9m
50.8mm x 1067mm	10	10.7m

Storage and Handling

Evergrip 990 should be stored in a dry area protected from the elements. Cartons should not be stacked over six high. Conditions should preclude contamination of the joint sealant by any foreign material such as silt or mud during the installation process. In hot weather, the material tends to soften; dipping sealant strips in cool water will allow easier release of the paper. Conversely, in cool weather, the material stiffens; dipping strips in warm water or storing in a warm area prior to use will aid in paper release.

Application

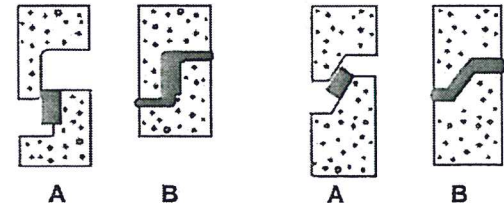
Concrete surfaces to which the sealant is to be applied must be clean and dry. All mud, dirt, grease, oil, and loose particles should be removed from the surfaces. The release paper should be stripped from only one side of sealant. The outside paper should be left in place to protect the sealant from contamination and stretching. The sealant strips should be attached end to end to the leading edge of the tongue or groove of each pipe joint until a continuous gasket is established around the entire circumference of the pipe joint. The material should be pressed firmly into place through the outside release paper. The outside paper should be removed just prior to jointing the pipe. Contaminating the exposed sealant with any foreign materials should be strictly avoided. Care should be taken not to disturb the gasket placement. Any contaminated sealant should be removed and replaced and any displaced strips should be repositioned prior to jointing the pipes. See pipe manufacturer's instructions for proper pipe jointing procedures. Excess sealant may be either trimmed with a putty knife or rolled to a smooth finish. The trench can be backfilled as soon as the joining process has been completed.

Clean-up

Excess sealant should be scraped off surfaces. Asphalt stains can be removed with non-hazardous, bio-degradable cleaners. Waterless hand cleaner should be used on skin, following the cleaner manufacturer's instructions carefully. Flammable or combustible petroleum based solvents should not be used.

Martin Asphalt Quality

Evergrip 990 meets or exceeds all requirements of ASTM C 990, U.S. Federal Specifications SS-S-210A, Type 1, Rope Form and AASHTO Designation M-198 75 I, Type B. It is certified to meet or exceed highway department specifications. Through Martin Asphalt, you get **Everything Asphalt**—a full range of products. In addition, you receive technical assistance in selecting the right materials and application. The company's AASHTO Certified Laboratory makes sure the products meet your specifications. And your products are delivered both on spec and on time via Martin's Gulf Coast network of production plants, storage facilities and transportation fleet including ocean-going and inland barges, rail cars and tanker trucks.



A – Sealant Placement
B – Joint After Compression

EVERGRIP 990

MATERIAL SAFETY DATA SHEET



Manufacturer's Name: Martin Asphalt Company	Date: December, 2006
Telephone Number: 800-662-0987	Address: 300 Christy Place
For Emergency Assistance Call: (713) 941-4410	South Houston, TX 77587

NFPA HAZARD IDENTIFICATION	DEGREE OF HAZARD	HAZARD RATINGS
	HEALTH: 1 FIRE: 1 REACTIVITY: 0	0= LEAST 1= SLIGHT 2= MODERATE 3= HIGH 4= EXTREME

SECTION 1 - COMPONENT DATA	
PRODUCT NAME	EVERGRIP 990 POLYMER MODIFIED CONCRETE JOINT SEALANT
CHEMICAL NAME	PETROLEUM ASPHALT (BITUMEN)
CHEMICAL FAMILY	PETROLEUM HYDROCARBON

SECTION 2 - PHYSICAL DATA	
BOILING POINT, °F:	>900
SPECIFIC GRAVITY:	1.20-1.35
VAPOR PRESSURE (mm HG):	*ND
MELTING POINT, °F:	>320
SOLUBILITY IN WATER:	NEGLIGIBLE
VAPOR DENSITY (AIR=1):	*ND
EVAPORATION RATE (N-BUTYL ACETATE =1):	*ND
PH:	NEUTRAL
APPEARANCE AND ODOR:	BLACK SOLID. ASPHALT ODOR.

HAZARDOUS INGREDIENTS		
COMPONENT	CAS NUMBER	PERCENT
ASPHALT	8052-42-4	55-70

SECTION 3 - FIRE AND EXPLOSION HAZARDS	
FLASH POINT AND METHOD:	>500 °F (COC)
FLAMMABLE LIMITS: % VOLUME IN AIR	LOWER: *ND UPPER: *ND
EXTINGUISHING MEDIA	DRY CHEMICAL OR FOAM PREFERRED. WATER FOG MAY BE USED ON FLAT SURFACES SUCH AS ROADS.
SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS	MATERIAL WILL NOT BURN UNLESS PREHEATED. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACE SHIELD, BUNKER COATS, GLOVES AND RUBBER BOOTS), INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.

*NA=NOT APPLICABLE **ND=NOT DETERMINED



UNUSUAL FIRE AND EXPLOSION HAZARD	DO NOT HEAT ABOVE FLASH POINT. SULFUR OXIDES AND HYDROGEN SULFIDE, BOTH OF WHICH ARE TOXIC, MAY BE RELEASED UPON COMBUSTION. H ₂ S VAPORS ARE HEAVIER THAN AIR, MAY ACCUMULATE IN LOW AREAS AND TRAVEL ALONG THE GROUND TO A REMOTE IGNITION SOURCE; IF IGNITED WILL FLASH BACK TO ORIGINAL CONTAINER.
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SECTION 4 - REACTIVITY DATA	
STABILITY:	STABLE
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR
CONDITIONS AND MATERIALS TO AVOID	UNDER NORMAL CONDITIONS, PRODUCT IS STABLE.
HAZARDOUS DECOMPOSITION PRODUCTS	THERMAL DECOMPOSITION PRODUCTS ARE HIGHLY DEPENDENT ON THE COMBUSTION CONDITIONS. A COMPLEX MIXTURE OF AIRBORNE SOLID, LIQUID, PARTICULATES AND GASES WILL EVOLVE WHEN THIS MATERIAL UNDERGOES PYROLYSIS OR COMBUSTION. CARBON MONOXIDE, HYDROGEN SULFIDE AND OTHER UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED UPON COMBUSTION.

SECTION 5 - HEALTH HAZARD DATA					
THE HEALTH EFFECTS NOTED BELOW ARE CONSISTENT WITH REQUIREMENTS UNDER THE OSHA HAZARD COMMUNICATIONS STANDARD (29 CFR 1910.1200)					
EYE CONTACT		BASED ON ESSENTIALLY SIMILAR PRODUCT TESTING, PRODUCT IS PRESUMED TO BE MINIMALLY IRRITATING TO THE EYES.			
SKIN CONTACT		BASED ON ESSENTIALLY SIMILAR PRODUCT TESTING, PRODUCT IS PRESUMED TO BE MINIMALLY IRRITATING TO THE SKIN.			
INHALATION		VAPORS (GENERATED AT HIGH TEMPERATURES) MAY CAUSE IRRITATION TO NOSE, THROAT, AND RESPIRATORY TRACT.			
SIGNS AND SYMPTOMS OF OVEREXPOSURE		IRRITATION AS NOTED ABOVE.			
AGGRAVATED MEDICAL CONDITIONS		PREEXISTING EYE, SKIN, AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.			
HAZARDOUS INGREDIENT: ASPHALT		CARCINOGENICITY			
NTP LISTED		NO			
IARC LISTED		YES			
OSHA REGULATED		NO			
OCCUPATIONAL EXPOSURE LIMITS:					
	OSHA		ACGIH		
COMPONENT	PEL/TWA	PEL/CEILING	TLV/TWA	TLV/STEL	OTHER
ASPHALT			5 MG/M ³		

SECTION 6 - EMERGENCY AND FIRST AID PROCEDURES	
EYE CONTACT	FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.
SKIN CONTACT	REMOVE CONTAMINATED CLOTHING/SHOES AND WIPE EXCESS FROM SKIN. FOLLOW BY WASHING WITH SOAP AND WATER. USE OF A WATERLESS HAND CLEANER WILL HELP TO REMOVE THE PRODUCT IF NEEDED. IF IRRITATION OCCURS, GET MEDICAL ATTENTION. DO NOT REUSE CLOTHING UNTIL CLEANED.
INHALATION	NOT SIGNIFICANT

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INGESTION	DO NOT INDUCE VOMITING. IN GENERAL, NO TREATMENT IS NECESSARY UNLESS LARGE QUANTITIES OF PRODUCT ARE INGESTED. HOWEVER, GET MEDICAL ADVICE.
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SECTION 7 - PERSONAL HEALTH PROTECTION INFORMATION	
PROTECTIVE CLOTHING	AVOID CONTACT WITH EYES. WEAR SAFETY GLASSES OR GOGGLES, GLOVES, APRON AND OTHER PROTECTIVE CLOTHING AS REQUIRED TO PREVENT CONTACT. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN.
RESPIRATORY PROTECTION	AVOID PROLONGED OR REPEATED BREATHING OF VAPORS. IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS USE A NIOSH/MSHA APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IN ACCORD WITH 29 CFR 1910.134 USE EITHER AN ATMOSPHERE-SUPPLYING RESPIRATOR OR AN AIR-PURIFYING RESPIRATOR FOR ORGANIC VAPORS.

SECTION 8 - SPILL, LEAK & DISPOSAL PROCEDURES	
STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED	MAY BURN ALTHOUGH NOT READILY IGNITABLE. WEAR PROTECTIVE CLOTHING AS APPROPRIATE. DIKE AND CONTAIN. DISPOSE OF PROPERLY.
WASTE DISPOSAL METHOD	ALL DISPOSALS MUST COMPLY WITH FEDERAL, STATE, AND LOCAL REGULATIONS. THE MATERIAL, IF SPILLED OR DISCARDED, MAY BE A REGULATED WASTE. REFER TO STATE AND LOCAL REGULATIONS. CAUTION! IF REGULATED SOLVENTS ARE USED TO CLEAN UP SPILLED MATERIAL, THE RESULTING WASTE MIXTURE MAY BE REGULATED. DEPARTMENT OF TRANSPORTATION (DOT) REGULATIONS MAY APPLY FOR TRANSPORTING THIS MATERIAL WHEN SPILLED. WASTE MATERIAL MAY BE LANDFILLED OR INCINERATED AT AN APPROVED FACILITY. MATERIALS SHOULD BE RECYCLED IF POSSIBLE.

SECTION 9 - SPECIAL PRECAUTIONS/ADDITIONAL INFORMATION	
WHEN ASPHALTIC PRODUCTS ARE HEATED, THEY OFTEN GIVE OFF SMALL AMOUNTS OF HYDROGEN SULFIDE. HYDROGEN SULFIDE IS AN EXTREMELY FLAMMABLE, HIGHLY TOXIC GAS. BREATHING HYDROGEN SULFIDE MUST BE AVOIDED. MINIMIZE BREATHING OF VAPORS, FUMES, OR MIST; WHEN POSSIBLE, USE VENTILATION OR WORK UPWIND OF SOURCE OF VAPORS, FUMES AND MIST. LAUNDER CONTAMINATED CLOTHING BEFORE USING. DISCARD LEATHER GOODS WHEN THEY CANNOT BE DECONTAMINATED. OBSERVE GOOD PERSONAL HYGIENE. WASH THOROUGHLY AFTER WORKING WITH ASPHALT AND BEFORE EATING OR SMOKING.	
D.O.T. CLASSIFICATION:	NOT REGULATED.
D.O.T. PROPER SHIPPING NAME:	POLYMER MODIFIED CONCRETE JOINT SEALANT
OTHER REQUIREMENTS:	NONE
THE COMPONENTS OF THE PRODUCT ARE LISTED ON THE EPA/TSKA INVENTORY OF CHEMICAL SUBSTANCES.	

THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE TO US AND IS BELIEVED TO BE CORRECT. HOWEVER, MARTIN ASPHALT COMPANY MAKES NO WARRANTY, EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. THIS INFORMATION AND PRODUCT IS FURNISHED ON THE CONDITION THAT THE PERSON RECEIVING THEM SHALL MAKE THEIR OWN DETERMINATION AS TO THE SUITABILITY OF THE PRODUCT FOR THEIR PARTICULAR PURPOSE AND ON THE CONDITION THAT THEY ASSUME THE RISK OF USE THEREOF.

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